Figure 1b

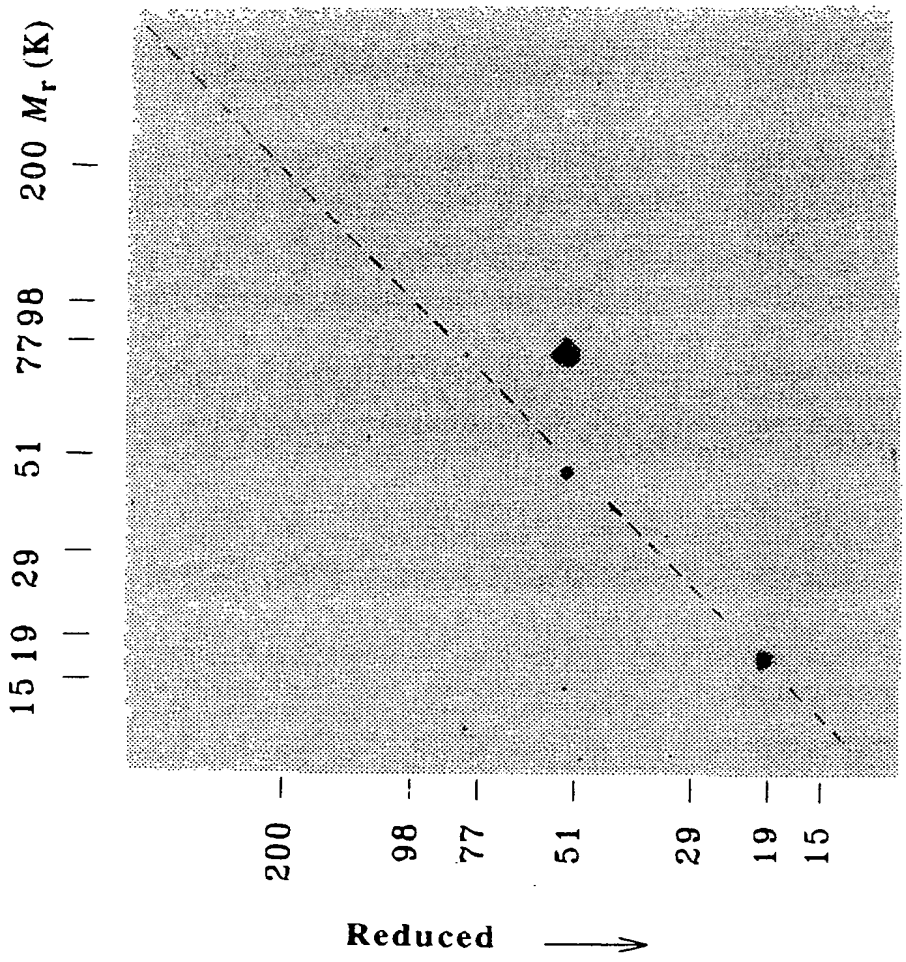

Figure 1a

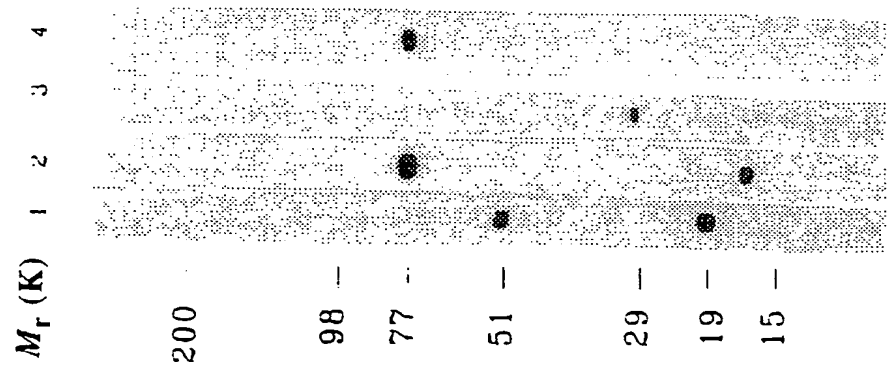

Figure 2

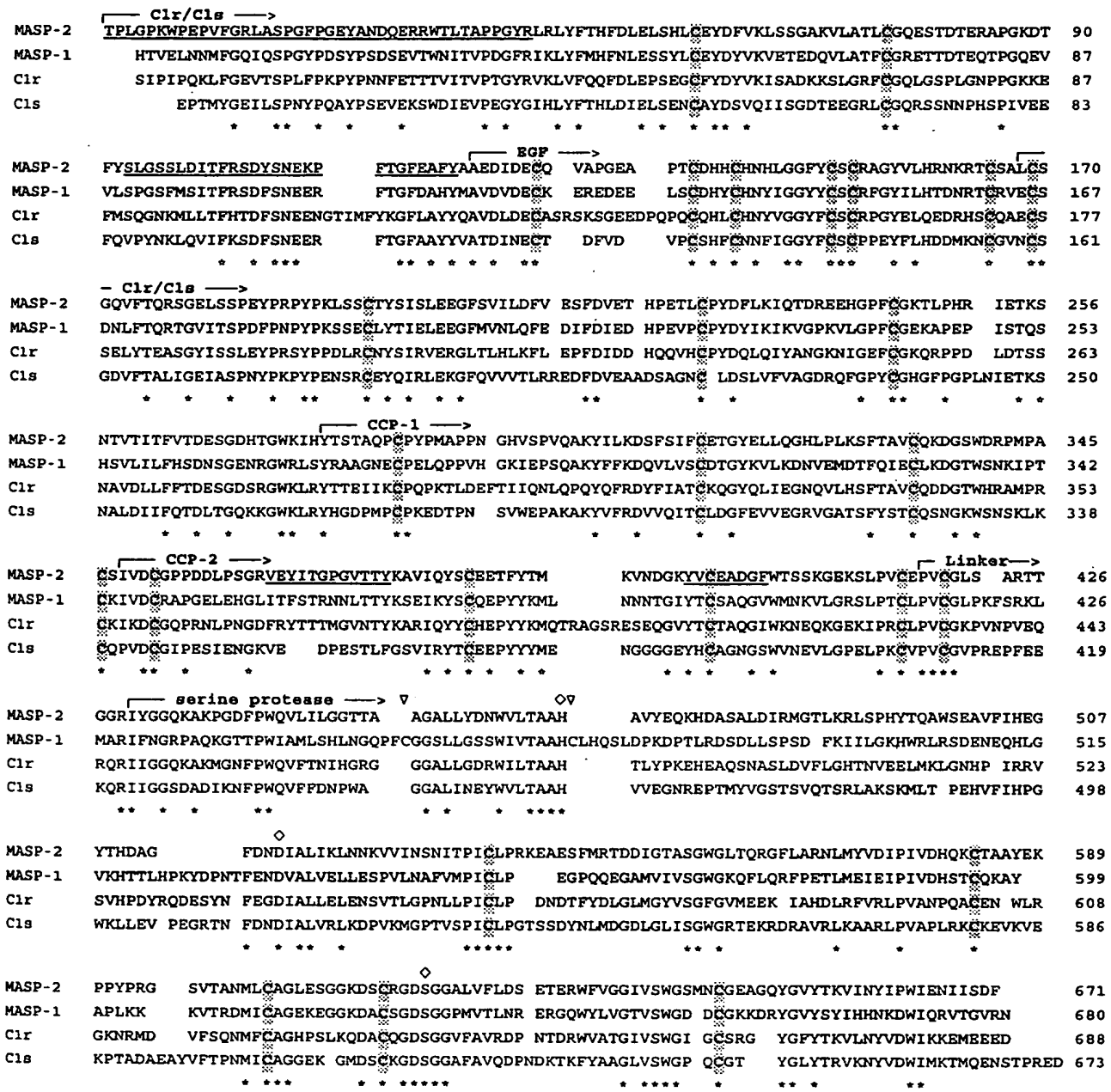

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Figure 3a

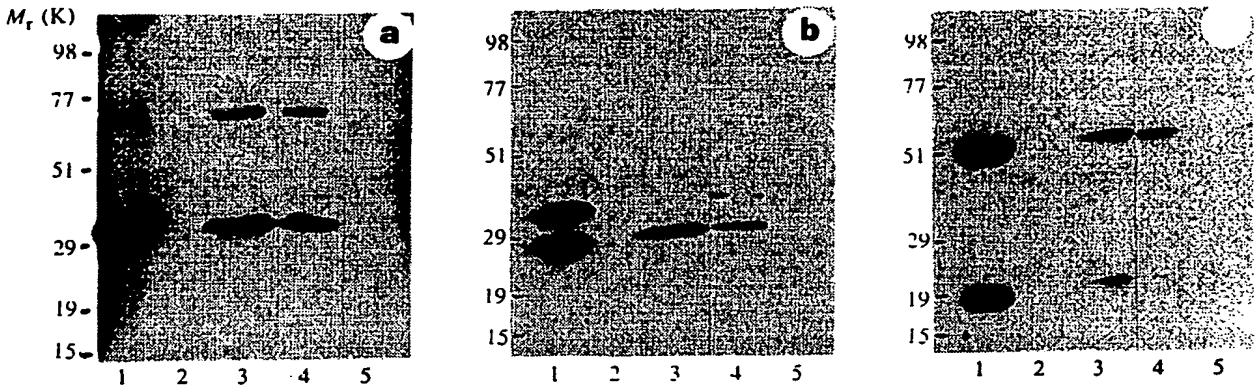

Figure 3b

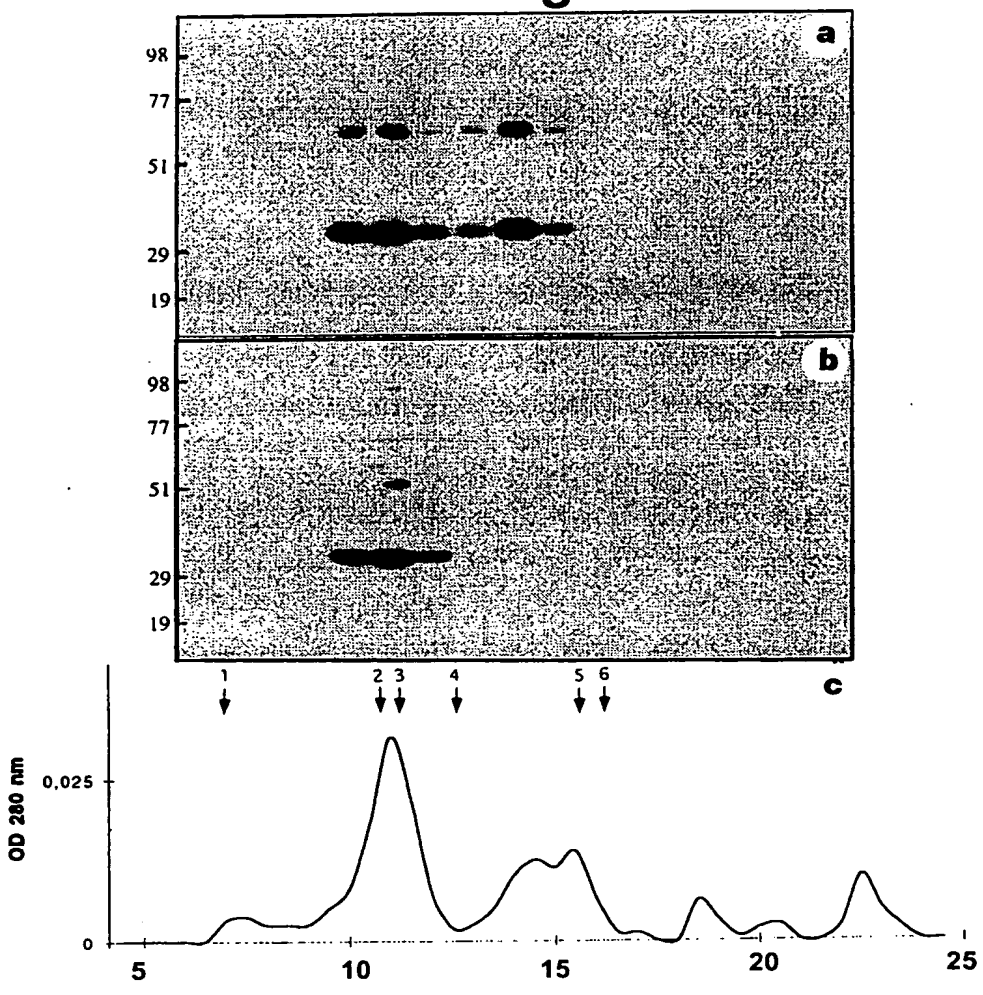

Figure 4

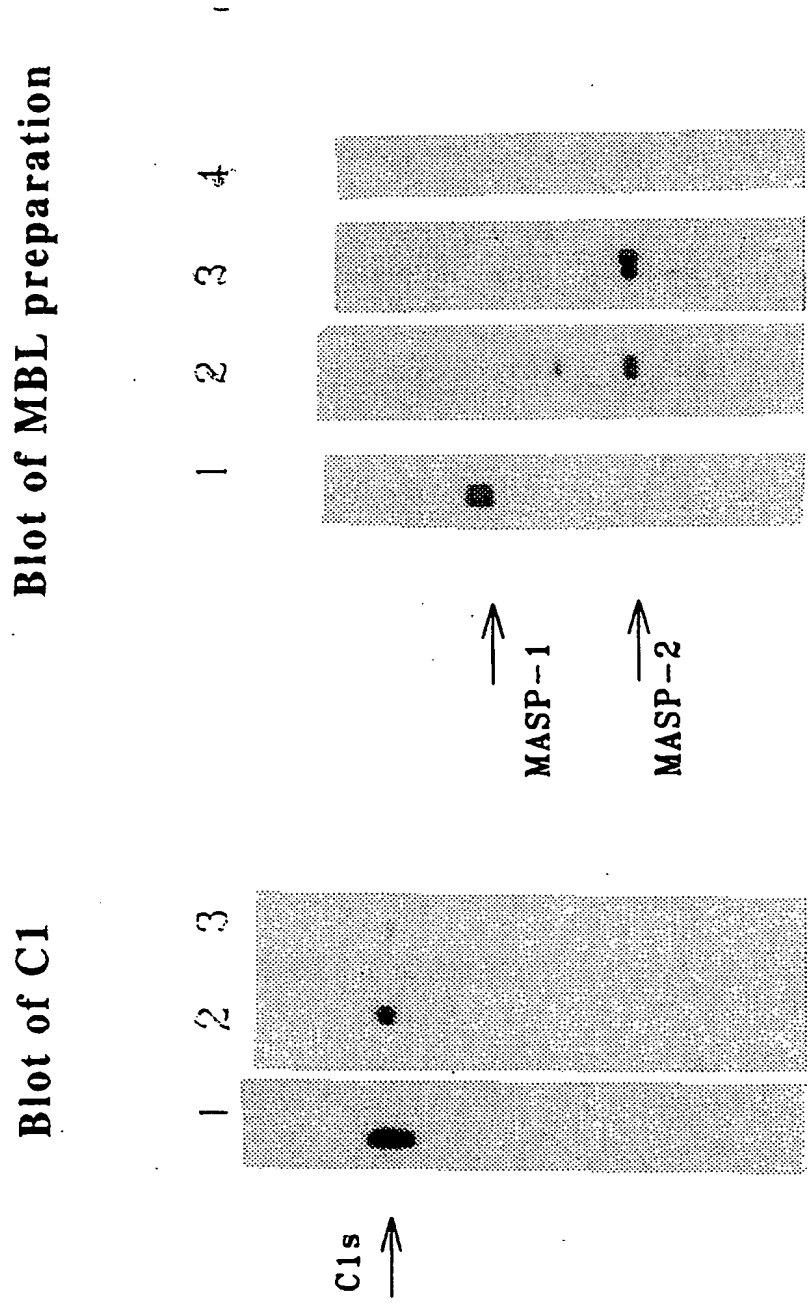

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Figure 5

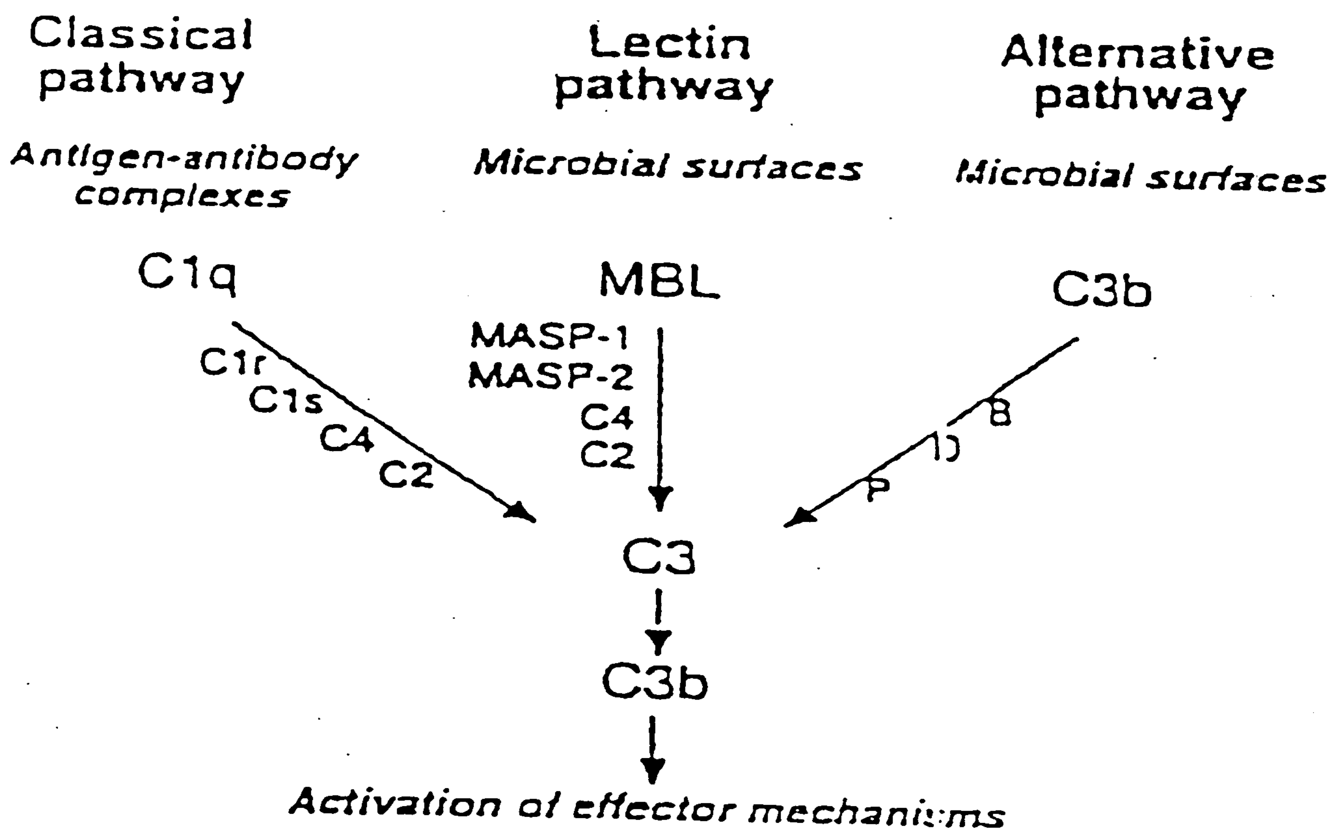

Figure 6

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                                                                              +1
ctcgtgcaattcggcacgaggctggacgggcacaccATGAGGCTGCTGACCCTCCTGGGCCTTCTGTGTGGCTCGGTGGCCACCCCCTTAGGCCCGAAGT  100
                                     M  R  L  L  T  L  L  G  L  L  C  G  S  V  A  T  P  L  G  P  K     6

GGCCTGAACCTGTGTTCGGGCGCCTGGCATCCCCCGGCTTTCCAGGGGAGTATGCCAATGACCAGGAGCGGCGCTGGACCCTGACTGCACCCCCCGGCTA  200
W  P  E  P  V  F  G  R  L  A  S  P  G  F  P  G  E  Y  A  N  D  Q  E  R  R  W  T  L  T  A  P  P  G  Y   40

CCGCCTGCGCCTCTACTTCACCCACTTCGACCTGGAGCTCTCCCACCTCTGCGAGTACGACTTCGTCAAGCTGAGCTCGGGGGCCAAGGTGCTGGCCACG  300
 R  L  R  L  Y  F  T  H  F  D  L  E  L  S  H  L  C  E  Y  D  F  V  K  L  S  S  G  A  K  V  L  A  T    73

CTGTGCGGGCAGGAGAGCACAGACACGGAGCGGGCCCCTGGCAAGGACACTTTCTACTCGCTGGGCTCCAGCCTGGACATTACCTTCCGCTCCGACTACT  400
L  C  G  Q  E  S  T  D  T  E  R  A  P  G  K  D  T  F  Y  S  L  G  S  S  L  D  I  T  F  R  S  D  Y   106

CCAACGAGAAGCCGTTCACGGGGTTCGAGGCCTTCTATGCAGCCGAGGACATTGACGAGTGCCAGGTGGCCCCGGGAGAGGCGCCCACCTGCGACCACCA  500
S  N  E  K  P  F  T  G  F  E  A  F  Y  A  A  E  D  I  D  E  C  Q  V  A  P  G  E  A  P  T  C  D  H  H  140

CCACAACCACCTGGGCGGTTTCTACTGCTCCTGCCGCGCAGGCTACGTCCTGCACCGTAACAAGCGCACCTGCTCAGCCCTGTGCTCCGGCCAGGTC  600
 C  H  N  H  L  G  G  F  Y  C  S  C  R  A  G  Y  V  L  H  R  N  K  R  T  C  S  A  L  C  S  G  Q  V    173

TTCACCCAGAGGTCTGGGGAGCTCAGCAGCCCTGAATACCCACGGCCGTATCCCAAACTCTCCAGTTGCACTTACAGCATCAGCCTGGAGGAGGGGTTCA  700
 F —T  Q  R  S  G  E  L  S  S  P  E  Y  P  R  P  Y  P  K  L  S  S  C  T  Y  S  I  S  L  E  E  G  F    206

GTGTCATTCTGGACTTTGTGGAGTCCTTCGATGTGGAGACACACCCTGAAACCCTGTGTCCCTACGACTTTCTCAAGATTCAAACAGACAGAGAAGAACA  800
S  V  I  L  D  F  V  E  S  F  D  V  E  T  H  P  E  T  L  C  P  Y  D  F  L  K  I  Q  T  D  R  E  E  H  240

TGGCCCATTCTGTGGGAAGACATTGCCCCACAGGATTGAAACAAAAAGCAACACGGTGACCATCACCTTTGTCACAGATGAATCAGGAGACCACACAGGC  900
 G  P  F  C  G  K  T  L  P  H  R  I  E  T  K  S  N  T  V  T  I  T  F  V  T  D  E  S  G  D  H  T  G    273

TGGAAGATCCACTACACGAGCACAGCGCAGCCTTGCCCTTATCCGATGGCGCCACCTAATGGCCACGTTTCACCTGTGCAAGCCAAATACATCCTGAAAG  1000
W  K  I  H  Y  T  S  T  A  Q  P  C  P  Y  P  M  A  P  P  N  G  H  V  S  P  V  Q  A  K  Y  I  L  K    306

ACAGCTTCTCCATCTTTTGCGAGACTGGCTATGAGCTTCTGCAAGGTCACTTGCCCCTGAAATCCTTTACTGCAGTTTGTCAGAAAGATGGATCTTGGGA  1100
D  S  F  S  I  F  C  E  T  G  Y  E  L  L  Q  G  H  L  P  L  K  S  F  T  A  V  C  Q  K  D  G  S  W  D  340

CCGGCCAATGCCCGCGTGCAGCATTGTTGACTGTGGCCCTCCTGATGATCTACCCAGTGGCCGAGTGGAGTACATCACAGGTCCTGGAGTGACCACCTAC  1200
 R  P  M  P  A  C  S  I  V  D  C  G  P  P  D  D  L  P  S  G  R  V  E  Y  I  T  G  P  G  V  T  T  Y    373

AAAGCTGTGATTCAGTACAGCTGTGAAGAGACCTTCTACACAATGAAAGTGAATGATGGTAAATATGTGTGTGAGGCTGATGGATTCTGGACGAGCTCCA  1300
 K  A  V  I  Q  Y  S  C  E  E  T  F  Y  T  M  K  V  N  D  G  K  Y  V  C  E  A  D  G  F  W  T  S  S   406

AAGGAGAAAAATCACTCCCAGTCTGTGAGCCTGTTTGTGGACTATCAGCCCGCACAACAGGAGGGCGTATATATGGAGGGCAAAAGGCAAAACCTGGTGA  1400
K  G  E  K  S  L  P  V  C  E  P  V  C  G  L  S  A  R  T  T  G  G  R  I  Y  G  G  Q  K  A  K  P  G  D  440

TTTTCCTTGGCAAGTCCTGATATTAGGTGGAACCACAGCAGCAGGTGCACTTTTATATGACAACTGGGTCCTAACAGCTGCTCATGCCGTCTATGAGCAA  1500
 F  P  W  Q  V  L  I  L  G  G  T  T  A  A  G  A  L  L  Y  D  N  W  V  L  T  A  A  H  A  V  Y  E  Q    473

AAACATGATGCATCCGCCCTGGACATTCGAATGGGCACCCTGAAAAGACTATCACCTCATTATACACAAGCCTGGTCTGAAGCTGTTTTTATACATGAAG  1600
K  H  D  A  S  A  L  D  I  R  M  G  T  L  K  R  L  S  P  H  Y  T  Q  A  W  S  E  A  V  F  I  H  E     506

GTTATACTCATGATGCTGGCTTTGACAATGACATAGCACTGATTAAATTGAATAACAAAGTTGTAATCAATAGCAACATCACGCCTATTTGTCTGCCAAG  1700
G  Y  T  H  D  A  G  F  D  N  D  I  A  L  I  K  L  N  N  K  V  V  I  N  S  N  I  T  P  I  C  L  P  R  540

AAAAGAAGCTGAATCCTTTATGAGGACAGATGACATTGGAACTGCATCTGGATGGGGATTAACCCAAAACGGTTTTCTTGCTAGAAATCTAATGTATGTC  1800
 K  E  A  E  S  F  M  R  T  D  D  I  G  T  A  S  G  W  G  L  T  Q  N  G  F  L  A  R  N  L  M  Y  V    573

GACATACCGATTGTTGACCATCAAAAATGTACTGCTGCATATGAAAAGCCACCCTATCCAAGGGGAAGTGTAACTGCTAACATGCTTTGTGCTGGCTTAG  1900
D  I  P  I  V  D  H  Q  K  C  T  A  A  Y  E  K  P  P  Y  P  R  G  S  V  T  A  N  M  L  C  A  G  L    606

AAAGTGGGGGCAAGGACAGCTGCAGAGGTGACAGCGGAGGGGCACTGGTGTTTCTAGATAGTGAAACAGAGAGGTGGTTTGTGGGAGGAATAGTGTCCTG  2000
E  S  G  G  K  D  S  C  R  G  D  S  G  G  A  L  V  F  L  D  S  E  T  E  R  W  F  V  G  G  I  V  S  W  640

GGGTTCCATGAATTGTGGGGAAGCAGGTCAGTATGGAGTCTACACAAAAGTTATTAACTATATTCCCTGGATCGAGAACATAATTAGTGATTTTTAActt  2100
 G  S  M  N  C  G  E  A  G  Q  Y  G  V  Y  T  K  V  I  N  Y  I  P  W  I  E  N  I  I  S  D  F stop  671

gcgtgtctgcagtcaaggattcttcattttagaaatgcctgtgaagaccttggcagcgacgtggctcgagaagcattcatcattactgtggacatggca  2200
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